



Author Index

Abe, M., 103
Antonietti, M., 141
Apostoluk, W., 227
Arai, T., 117
Ardizzone, S., 41

Bergendahl, J., 193
Bianchi, C.L., 41
Binks, B.P., 277
Bogacki, M.B., 19

Charmas, B., 267
Chen, E.-M., 175
Chen, L.-J., 175
Chen, S., 207
Cheng, H., 157
Choi, S.-C., 77
Christian, S.D., 103
Czapkiewicz, J., 149

Dynarowicz-tątka, P., 149

El-Gamal, I.M., 283
Esumi, K., 59, 117, 135

Fainerman, V.B., 27
Farrow, J.B., 183
Findeisen, M., 235
Fletcher, P.D.I., 277
Forcada, J., 293
Fragneto, G., 277
Fu, Z., 63

Goino, M., 135
Grant, S.B., 123
Grassi, E., 41
Grasso, D., 193

Hackley, V.A., 77
Helmstedt, M., 235
Huang, C.-C., 175

Jakubiak, A., 19
Janicka, G., 149
Jones, F., 183
Jung, Y.-G., 77

Kilpadi, D.V., 89
Koide, Y., 59, 117
Kotanigawa, T., 11
Koval'chuk, V.I., 27
Kozarac, Z., 165

Leboda, R., 253, 267
Lemons, J.E., 89
Li, D., 109
Li, Z.X., 277
Lin, S.-Y., 175
Lindberg, R., 53
Lippold, H., 235
Liu, D., 157
Lu, J.R., 277
Lylyk, S.V., 27

Ma, J., 157
Makievski, A.V., 27
Mala, G.M., 109
Matijević, E., 1
Milart, P., 149
Miller, R., 27
Miyazaki, M., 117
Möbius, D., 165
Muramatsu, A., 207

Øye, G., 53

Paik, U., 77
Penfold, J., 277
Privman, V., 1
Prochaska, K., 19

Quitzsch, K., 235

Saito, Y., 103
Santore, M.M., 63
Sarobe, J., 293
Sasaki, M., 11
Sato, T., 103
Schano, K.-H., 27
Sidorchuk, V.V., 253
Sjöblom, J., 53
Skubiszewska-Ziba, J., 253
Stubičar, M., 245
Stubičar, N., 245
Sugimoto, T., 207
Sundholm, G., 53
Szymanowski, J., 19, 227

Tagawa, M., 135
Takeda, Y., 59
Tertykh, V.A., 253
Thomas, R.K., 277

Ueda, H., 103

van Bronswijk, W., 183

Walker, H.W., 123
Wang, N., 11
Weimer, J.J., 89
Wenzel, A., 141

Yang, C., 109
Yoshida, T., 11

Zadro, K., 245
Zelenev, A., 1
Zhao, Z., 157





Subject Index

Acorga CLX-50, 19
Adhesion, 193
Adhesion of particles, 1
Adsorption, 77, 183
Adsorption isotherm, 63
Adsorption of AOT, 135
Adsorption of cationic surfactant, 59
Adsorption (under dynamic conditions), 245
aerosol-OT, 277
Air–water interface, 165
Alumina, 135
Alumoaerosil, 253
AOT, 157
Atomic force microscopy (AFM), 89

Barium titanate, 77
Batch leaching test, 193
Bayer process, 183
Brewster angle reflectivity, 63

Capillary geometry, 27
Carbon–silica adsorbents, 267
Carbosils, 267
Carboxylic acids, 149
Cationic gemini surfactant, 117
Chelate, 207
Chloromethyl group, 293
Cholesterol, 141
Circular dichroism, 103
Coal, 11
Colloid, 193
Complexation, 103
Condensation, 53
Conductivity, 157
Critical micelle concentration, 175
Cyclodextrin, 103

Dead time, 27
Detachment of particles, 1
Diffusion, 63
Dispersion, 77

Dispersion stability, 135
Dynamic surface tensions, 27

Electrical Double Layer, 109
Electrostatic stabilization, 77
Emulsion, 135
Emulsion polymerization, 293
Enthalpy–entropy compensation, 175
Extractants, 19

Fine structure, 141
Flocculation, 183
Flow improvers, 283
Flow microcalorimetry, 11

Gel-sol method synthesis, 207
Glass surface layer, 63

¹H NMR spectroscopy, 103
Haematite, 183
Hematite adhesion, 1
High-speed video imaging, 27
Hydrodynamics, 193
Hydrolysis, 53
Hydrophile lipophile balance, 227
Hydrophilicity, 11
Hydrophobic compounds, 193
Hydrothermal modification, 253
Hydroxyoxime extractants, 227

Interfacial activity, 19
Interlayer space, 59
Iron oxide on glass, 1

Kinetics, 53

Langmuir monolayers, 149
Laponite, 59
Lead fluoride, 245
Linear solvation energy relationships, 227
Lipid monolayers, 165

Mass-transport controlled kinetics, 63
 Maximum bubble pressure method, 27
 Mechanical profilometry, 89
 Membrane model, 141
 Menhaden fish oil, 77
 Metal sulfide, 207
 Methanol, 11
 Mixed micelle, 117
 Mixed reverse micelles, 157
 Model adsorbents, 267
 Molecular modelling, 19
 Monodispersed particles, 207
 Monolayer techniques, 165

Neutron, 277
p-Nitrophenol adsorption, 267
 Non-ionic surfactants, 157
 Non-ionic surfactant (Triton X-100), 245
 Nonionic surfactant, 117

Order parameter, 135

Paraquat, 59
 Particle adhesion, 1
 Partition coefficients, 227
 Phase-composition, 41
 Phosphate ester, 77
 Polyacrylate, 183
 Polyelectrolyte, 141
 Polyphenylene, 149
 Porous structure, 253
 Potentiometric pF-stat method, 245
 Pour point, 283
 Pyrene salt, 165
 Pyridinedicarboxylates, 19
 Pyrogenic silica, 253

Rectangular microchannels, 109
 Redox initiator, 293
 Reflectivity, 277
 Rheology, 283

Seeded, 293
 Selective surface area, 267
 Shear effect, 283
 Silanes, 53
 Soda-lime glass, 63
 Solubilization, 157
 Spectroscopic techniques, 165
 Steric stabilization, 77
 Sulphated zirconia, 41
 Surface energy, 89
 Surface properties, 267
 Surface speciation, 41
 Surface tension, 103, 175
 Surface treatment, 89
 Surfactant, 175
 Surfactant monolayer, 277
 Synergetic effects, 165

Titanium implants, 89
 Titanoaerosil, 253
 Toxicity characteristic leaching procedure, 193
 Triton X-100, 27, 103
 Two-dimensional nonlinear Poisson–Boltzmann equation, 109

Viscosity, 77

Waxy crudes, 283
 Wihelmy plate, 175

X-ray-scattering, 141
 X-ray diffractometry, 103

Zirconia, 41